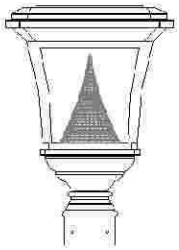
IMPERIAL SOLAR LANTERN

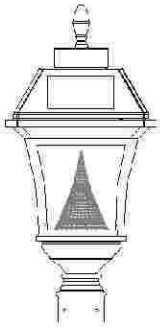
US Patent # 7172307
US Patent Application # 29/355050

Instruction Manual

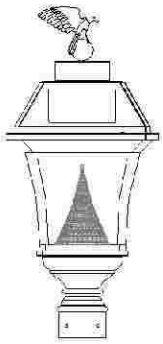
Models: GS-97A, GS-97G, GS-97E



GS-97A



GS-97G



GS-97E

Introduction

Thank you for your purchase. **GAMA SONIC®** solar charged accent lighting eliminates the problems associated with most solar lighting available today. **GAMA SONIC®** solar charged lights are brighter and last all night with a typical solar charge. Unique design, superior light output and numerous installation options confirm the outstanding value of the product.
GAMA SONIC® has been recognized as a worldwide leader in the lighting industry for over 20 years. The company also offers unique multi-purpose rechargeable products that range from party lights to emergency lighting products.
For technical assistance and more information call our Toll Free number:
800-835-4113 (only within the US) or visit our website at:
www.gamasonic.com.

Please read the instruction manual carefully to obtain the best results from your purchase.

Solar Lamp Post Location

For optimum light duration throughout the night, it is very important to mount your solar lamp post in a spot where it will receive the maximum amount of sunlight throughout the day.

GS-97A

Fig. 1

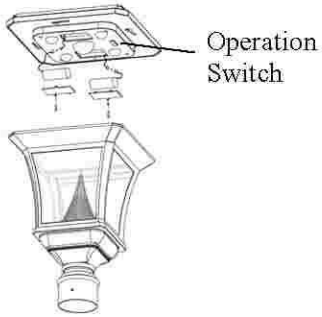


Fig. 2

Fig. 3

GS-97G

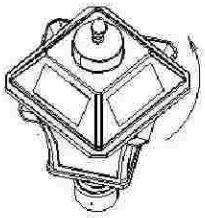


Fig. 1

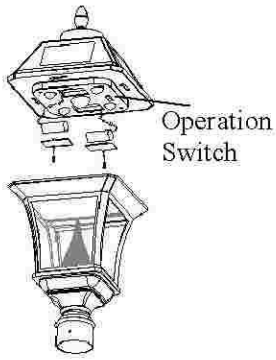


Fig. 2

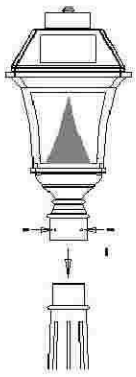


Fig. 3

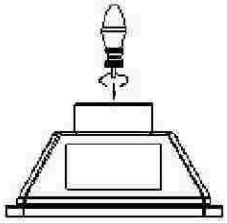


Fig. 4

GS-97E

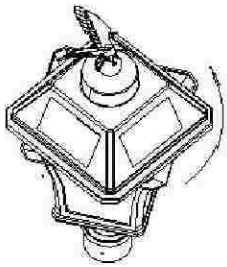


Fig. 1

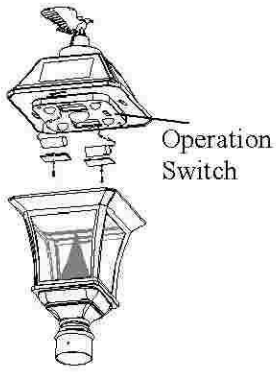


Fig. 2

Fig. 3

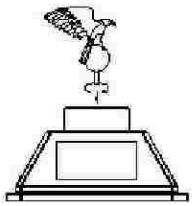


Fig. 4

Assembly Instructions

NOTE: If you are replacing an existing gas/electric post light, you must consult a certified technician to cancel them before installation.

NOTE: The solar light must be charged for two sunny days for best results.

1. Detach the upper part of the lamp as shown in Fig. 1 by turning it counterclockwise.
2. Turn ON the operation switch (see Fig. 2.) by choosing your desired brightness level:
   Low- last longer using dimmer light. **High**- Brighter light output.
3. Reassemble the upper part of the lamp by placing it on top of the 4 hinges, and then turn it clockwise.
4. Install the lamp onto your existing 3" post, using the screws provided (Fig. 3.).
5. For models GS-97G and GS-97E only, screw in the Finial or Eagle on top of the lamp (Fig. 4.).

Replacing the Batteries
(After several years of use, the batteries may need replacing).

1. Detach the upper part of the lamp as shown in Fig. 1 by turning it counterclockwise.
2. Make sure the operation switch is in the OFF ("O") position.
3. Release the battery compartment's screw located on the silver reflector and remove the old battery pack. Make sure the new batteries are high quality – 1 x Li-Ion Battery Pack (3.2 Volt / 3000 Ma) (Fig. 2).
4. Install the new batteries into the battery compartment.
5. Reassemble the unit by reversing the above procedure.

Optional: Use the second battery compartment to add extra battery pack (not included).

Charging & Duration Chart

Model#	Charging Time	Duration High Mode	Duration Low Mode
GS-97A	3 Hours	Approx. 5 hours	Approx. 10 hours
	6 Hours	Approx. 12 hours	Approx. 20 hours
GS-97G/E	3 Hours	Approx. 5 hours	Approx. 7 hours
	6 Hours	Approx. 10 hours	Approx. 12 hours

WARNING: Do not dispose of Li-On battery in the regular trash, municipal waste stream or by fire as batteries may leak or explode. Do not open, short circuit, or mutilate batteries as injury may occur. Preserve our environment by recycling Ni-Mh batteries or disposing of them in accordance with local, State and federal regulations. Do not mix old and new batteries.

Maintenance
Clean the solar module regularly with a damp towel to guarantee optimum performance of the solar panel. Do not use any type of solvent for cleaning and be careful not to put too much pressure on the module while cleaning.

Trouble Shooting
If your solar charged light does not come on at dusk despite observance of all the instructions, please try the following steps:

1. Make sure that the solar light is not being affected by any other light source.
2. Ensure the solar light is not positioned in the shade during the day.
3. Make sure the switch in the lamp head is in the "ON" position (either "Low" or "High").
4. Check that the batteries are installed correctly.

NOTE: The performance of the solar light will vary with the time of year. It will deliver more light when it has had a full day in the sun rather than a day in overcast weather.

WINTERTIME TIPS: Keep snow and debris cleaned off the solar panels so the batteries can recharge. If the lights are covered with snow for an extended period of time, after the snow melts, allow all the batteries to charge in full, direct sunlight for at least 6 hours to their maximum capacity.

WARNING: Please keep out of reach of children.